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APPLICATION NO.	FILING	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/549,683	09/19	9/2005	Jun Suda	HIRA.0204 1086	
Reed Smith	7590	10/04/2007		EXAMINER	
Suite 1400				SONG, MATTHEW J	
3110 Fairviev Falls Church,				ART UNIT PAPER NUMBER 1792	
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			•		
		•		MAIL DATE	DELIVERY MODE
				10/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)			
	,	10/549,683	SUDA ET AL.			
Of	fice Action Summary	Examiner	Art Unit			
		Matthew J. Song	1722			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHICHEVE - Extensions of after SIX (6) M - If NO period for Failure to reply Any reply rece	NED STATUTORY PERIOD FOR REPLY R IS LONGER, FROM THE MAILING DA time may be available under the provisions of 37 CFR 1.13 (ONTHS from the mailing date of this communication, or reply is specified above, the maximum statutory period w w within the set or extended period for reply will, by statute, ived by the Office later than three months after the mailing term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim fill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONE	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status	·					
2a)∐ This a 3)∐ Since	ction is FINAL . 2b) This this application is in condition for allowand in accordance with the practice under E.	action is non-final. ace except for formal matters, pro				
Disposition of	Claims					
4a) Of 5) ☐ Claime 6) ☐ Claime 7) ☐ Claime	 (s) 22-54 is/are pending in the application the above claim(s) is/are withdraw (s) is/are allowed. (s) is/are rejected. (s) is/are objected to. (s) 22-54 are subject to restriction and/or 	vn from consideration.				
Application Pa	pers					
10)⊡ The dra Applica Replac	ecification is objected to by the Examiner awing(s) filed on is/are: a) accessor and may not request that any objection to the determinent drawing sheet(s) including the correction or declaration is objected to by the Examine	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is objected	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 3	85 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of Refe	erences Cited (PTO-892)	4) 🔲 Interview Summary (PTO-413)			
2) Notice of Draf3) Information D	tsperson's Patent Drawing Review (PTO-948) isclosure Statement(s) (PTO/SB/08) fail Date 9/19/05.	Paper No(s)/Mail Dai 5) Notice of Informal Pa 6) Other:	te			

Application/Control Number: 10/549,683

Art Unit: 1722

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 22-26, 40-47, and 50-52 are drawn to a method of forming a step-terrace structure on a SiC surface.

Group II, claim(s) 27-34, drawn to a method of forming a flat and clean SiC surface.

Group III, claim(s) 35-39, drawn to a method of growing a Group III nitride using a surface control element.

Group IV, claim(s) 48, 49, 53 and 54, drawn to a product.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Evidence of lack of unity between the groups is found in JP 9-181355 and US 6,273,950 wherein it is found to disclose the feature of the instant claims 27 and 35. Also, evidence of lack of unity between the groups is also found in JP 11-145514 wherein it is found to disclose the features of the instant claim 48.

As such, the special technical features of the claimed invention are not found to define a contribution over the prior art.

2. A telephone call was not made to applicant's representative to request an oral election to the above restriction requirement due to the complexity of the restriction requirement.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew J. Song whose telephone number is 571-272-1468. The examiner can normally be reached on M-F 9:00-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571-272-1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Matthew J Song

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Examiner
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SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700

MJS

September 30, 2007